37	and the second	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
5.		c	F	1.50	0.05	х				
38		c	В	3.50	0.10	x				
39		С	M-F	1.20	0.10	x				
40		С	В	3.40	0.10	x	x			
								V		
41		С	₿	3.20	0.10	х				
42		C	F	1,20	0.05	X				
43		C	F	3.80	0.05	X				
44		C	NSD	1.20	0.05	x				
45		c	F	1.40	0.05	x				
46		C	F	1.60	0.05	x				
47		С	F	1.60	0.05	X				
48	G6	C	В	6.60	0.20	Х				
49		С	F	4.00	0.05	X				
50		c	F	1.50	0.05	x	x	V	Ė	
51		c	M-F	4.80	0.05	x				
52		C	F	1.20	0.03	x		[7]		
.03		С	<b>B</b>	2.00	0.05	х				
54		С	F	3.00	6.03	х				
.05		С	F	1.00	0.03	x			L:	!** <del> </del>
56		c	C-B	3.20	0.05	x			<u> </u>	
57		C	В	1.80	0.10	x		Ľ		
58		c	F	3.60	0.10	x				Lance

C - Chrysotile TR - Tremolite NSD - No Structure Detected

TR - Tremolite
CR - Crocidolite
AN - Anthophyllite

F - Fiber B - Bundle M - Matrix

AC - Actinolite

Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
59		С	F	0.80	0.03	х				
60	C9	C	F	1.00	0.03	x	x			
61		С	С-В	6.00	0.20	x		~		
		c	F	* 0.0	0.03					
62		C	F	1.00	0.03	X				
63		С	В	0.60	0.02	X				
. 64		С	В	1,00	0.02	X				
65		c	F	1.20	0.03	X		LJ		
66		С	C-F	1.20	0.03	x				
67		С	F	0.80	0.02	x				
68		C	M-F	1.60	0.10	X				
69		c	F	0.80	0.02	x				
70		С	F	1.40	0.03	X	x			
71	H7	c	, F	2.20	0.05	x		✓		
72		С	M-F	0.80	0.05	X				
73		c	В	1.80	0.05	Х				
74		c	F	0.90	0.03	X		•		
75		c	F	0.80	0.05	x		Ш		
76		С	В	7.00	0.25	x		IJ		
										□.
77		С	В	2.20	0.20	Х		П	IJ	
78		C	В	7.00	0.05	х		П		
79		C	M-F	2.20	0.05	x				
80		С	В	10.00	0.20	x	x			
								7	П	

C - Chrysotile TR - Tremolite

F - Fiber

CR - Crocidolite

B - Bundle

NSD - No Structure Detected

AN - Anthophyllite

M - Matrix

AC - Actinolite

81		Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
		C	F	0.90	0.02	Х				
82		С	F	1.20	0.02	x				
83		С	F	3.00	0.02	x		[]		
	G0 G0			• • •						
84	C3-C3	С	В	3.00	0.20	Х				
85		С	F	1.20	0.05	X				
86		c	F	1.00	0.03	x				
87		C	В	2.50	0.20	х .				
88		c	M-F	1.30	0.05	x				
			141-17	1.50	V.U3	Α				
89		С	M-F	1.20	0.05	Х				Ü
90		c	M-F	1.80	0.03	X	X	<b>✓</b>		
91		С	м-в	2.20	0.20	x			Ш	
92		c	F	0.60	0.02	x				
93		С	F	1.20	0.03	X				
94		С	M-B	1.00	0.10	x				<u>:</u>
95		С	M-F	1.00	0.03	x				
96		c	F	1.00	0.03	х				
97		С	M-F	1.20	0.03	v				
					0.03	X			Ľ	
98		С	В	1.00	0.03	X				<u></u>
99		c	M-B	8.00	0.40	X				
100		C	F	1.00	0.03	x	x		IJ	: :
101		c	M-F	2.40	0.05	x	•	✓		
								L	$\Box$	
102		С	В	7.00	0.10	X			[_	

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite CR - Crocidolite F - Fiber

B - Bundle

AN - Anthophyllite

M - Matrix

AC - Actinolite

Photo: Sketch:
M40543 007
-

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

F - Fiber

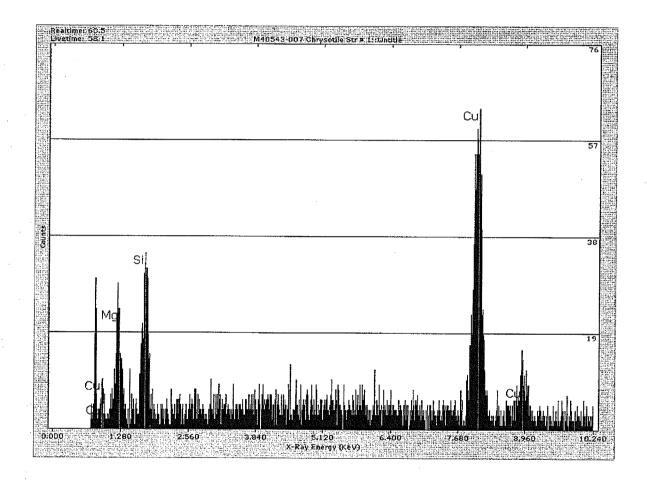
CR - Crocidolite

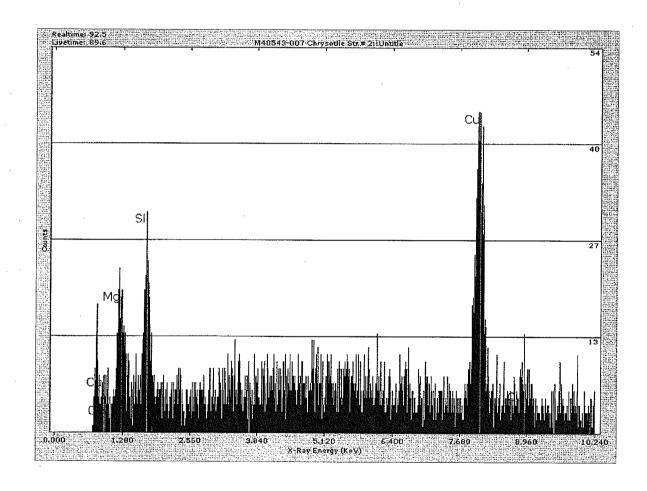
B - Bundle

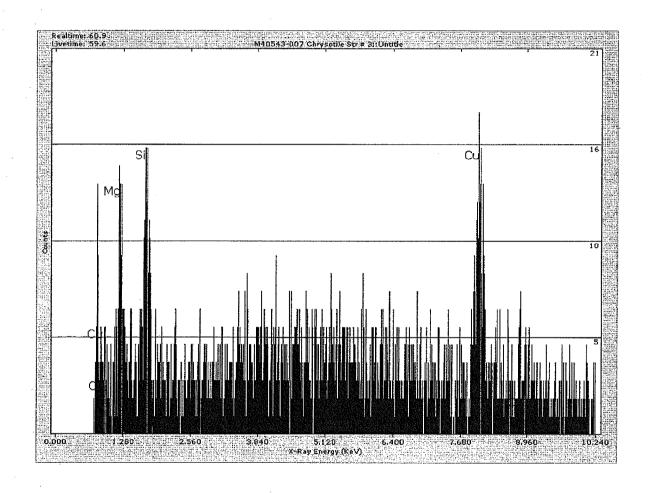
AN - Anthophyllite

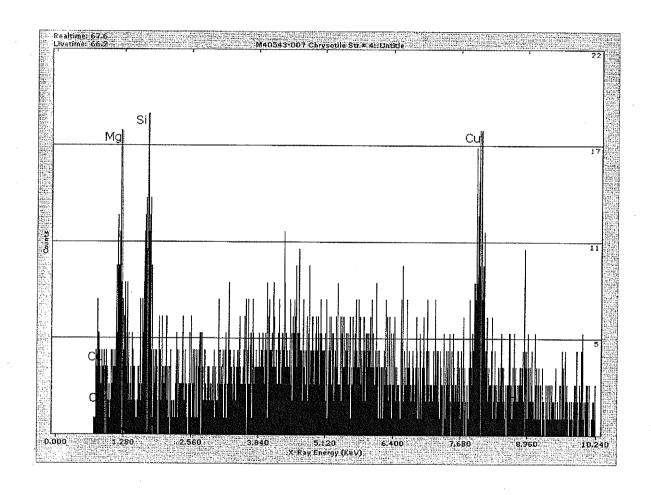
M - Matrix

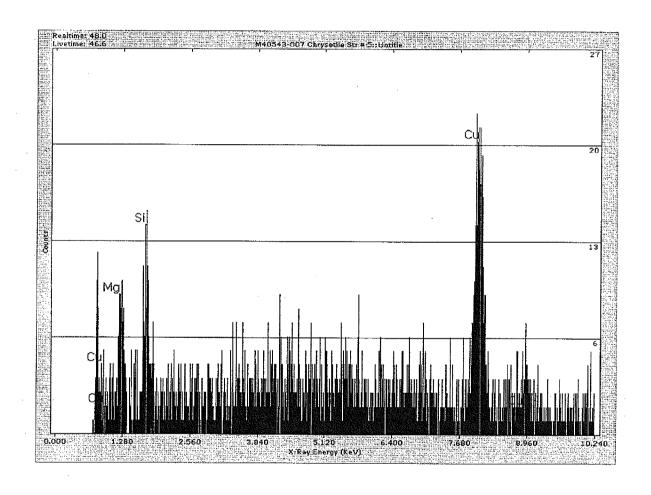
AC - Actinolite

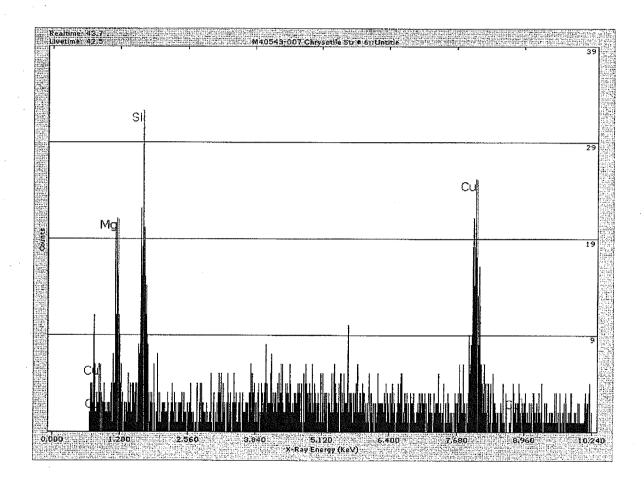


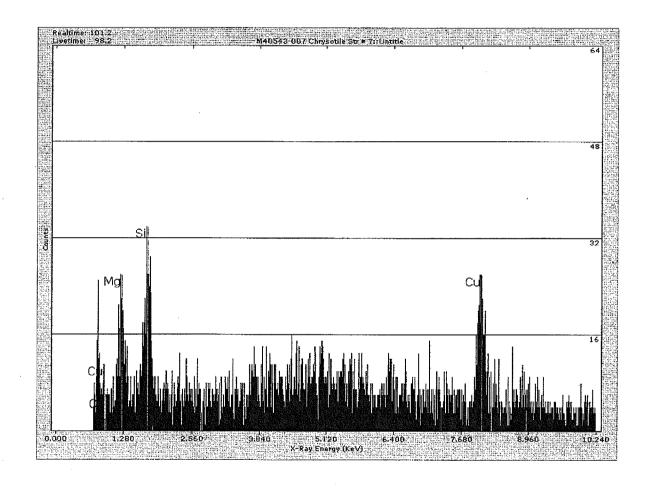


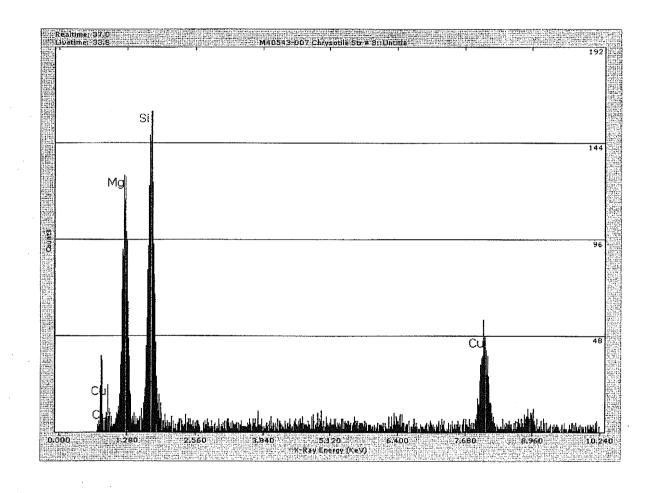


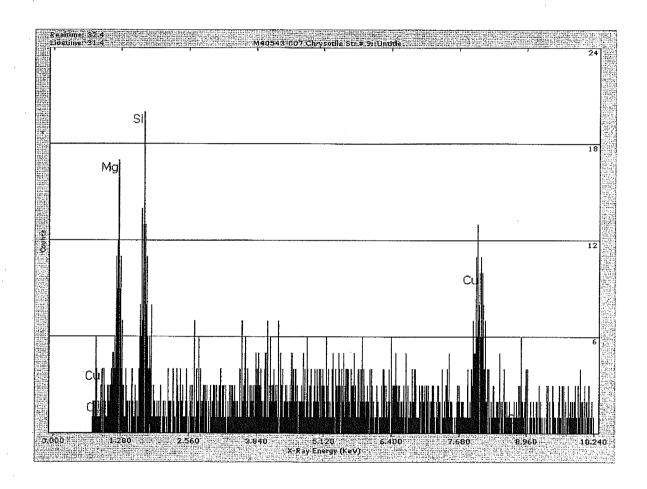


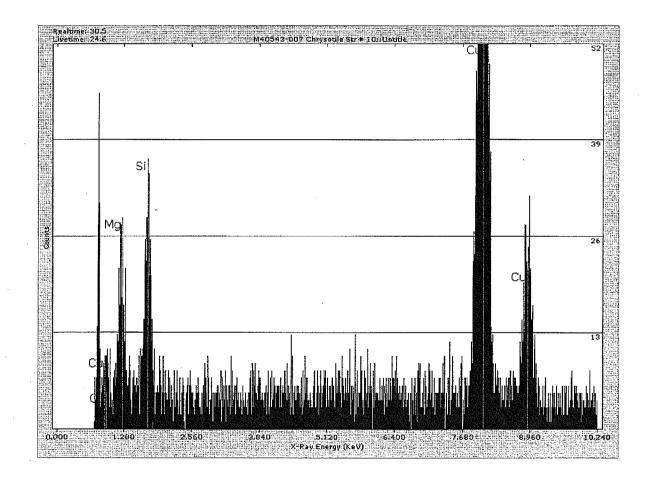


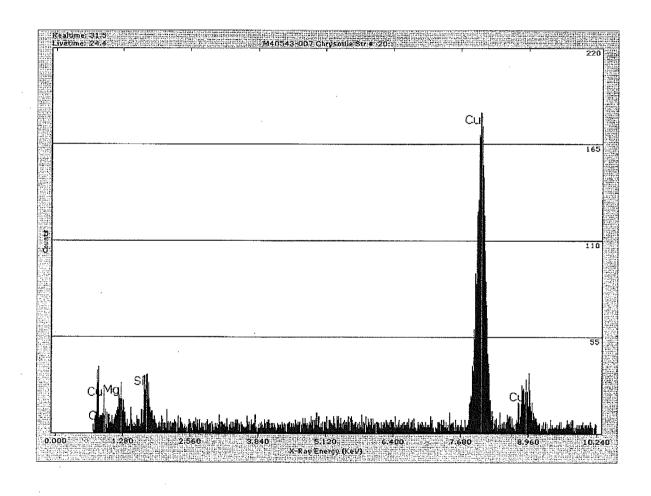


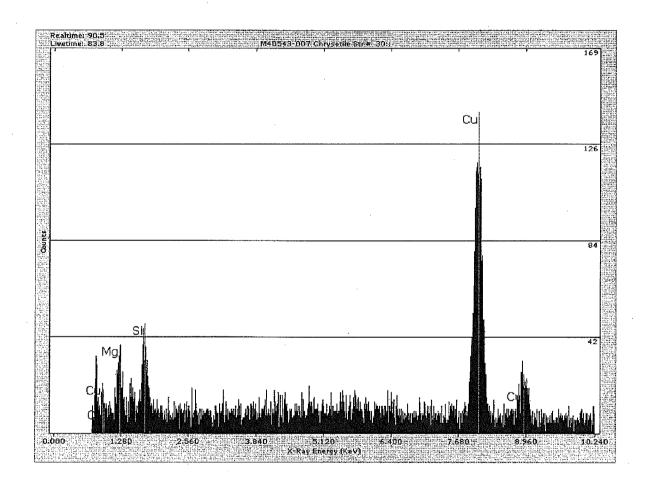


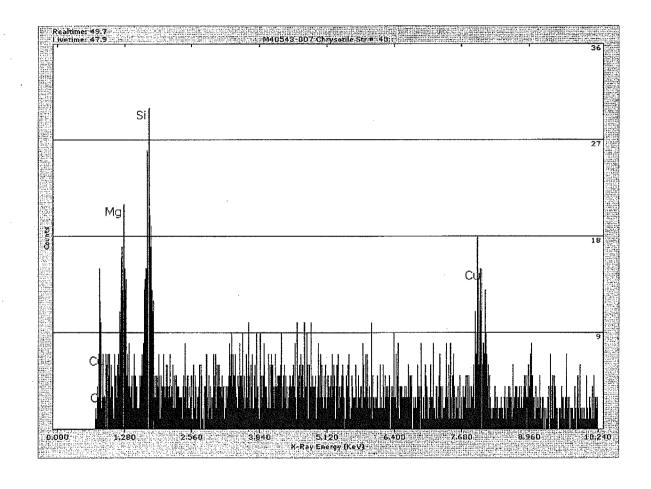


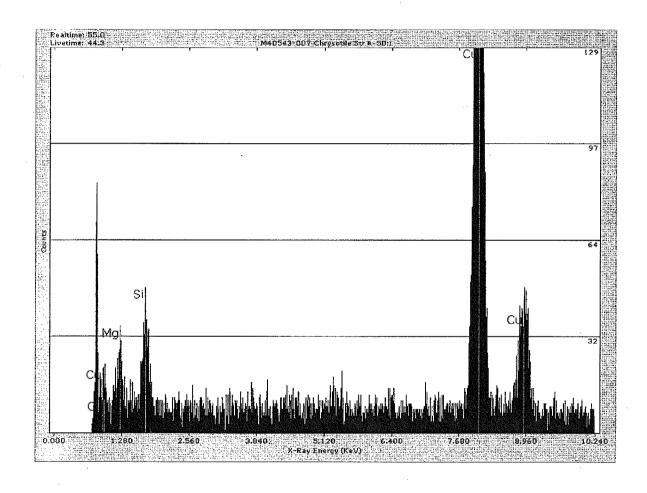


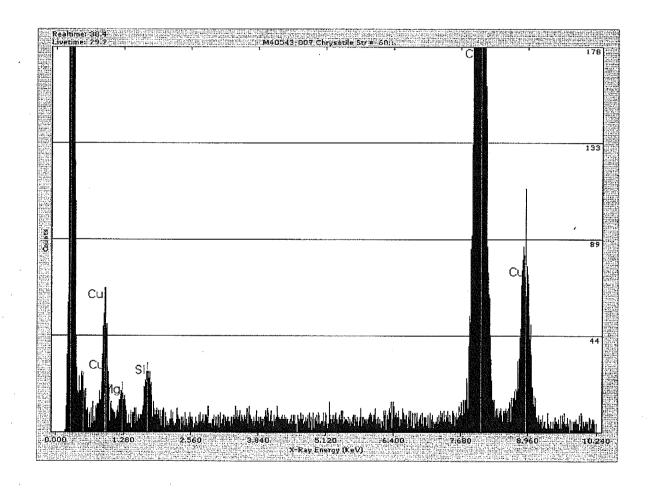


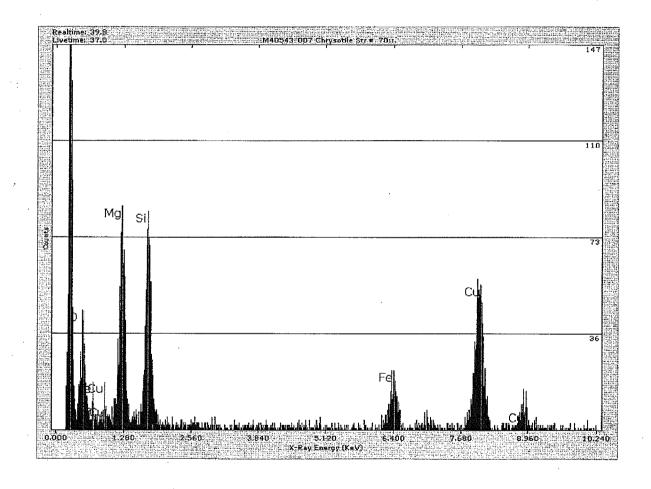


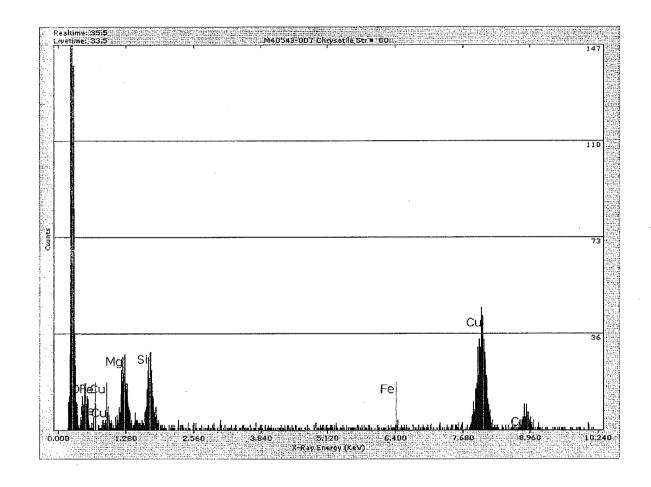


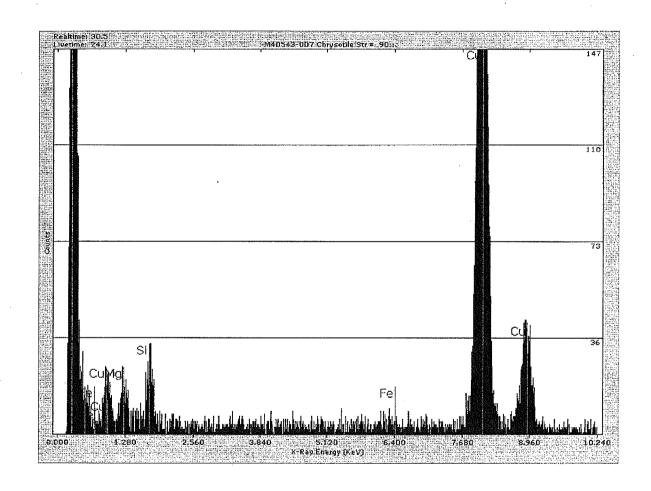


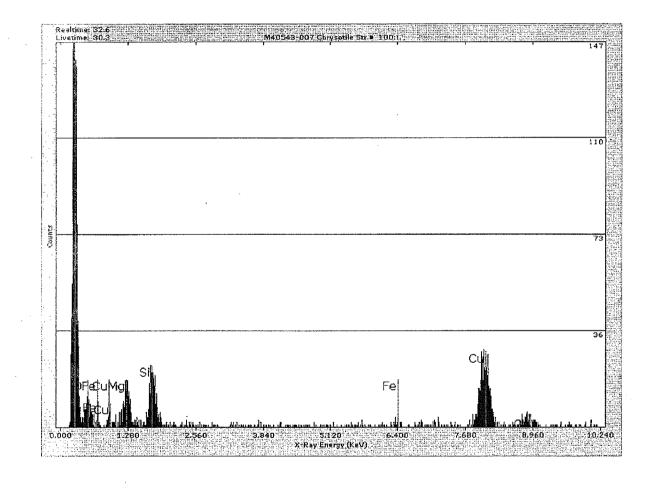












Unit 4 Building
Arkansas State Hospital (ASH)

## TEM DUST ANALYSIS M40543 008

	es and Hil tled Dust		<b>S</b>				Clie	ent Sample	ID:	ASH 4 1	
Sample Area/ Volume: Filter Type: Pore size: Effective Filter Area: Sample type: Analysis type: Grid Acceptance			100 cm2 MCE 47mm 0.45 1297 Dust Dust YES	20 %				Date Analy Ana Scope Nun erating Vol- Indicated I Screen I Grid_	lyst: nber: tage: Mag: Wag:	10/10/2006 MAM 4 100 KV 25 KX 20 KX 7184, 7169, 7181,718	
Str < Str ≥	5um:2	************	Number of grids: 2 Number of openings: 10  Str / sqr ft Str / sqr ft >=5				103	Average Grid Size: 0.010303 Total Area Analyzed: 0.103			
	Str: 9 Filtered n Factor	9 ml				1.170E+07 2.599E+06		Str / cm2 1.259E+04 Str / cm2 >=5 2.797E+03			
Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED			Sketch:	
	A10-E9		NSD								
. 1	G7	C	M-F	2.30	0.10	X	X	¥			
	J5		NSD		*						
	G4		NSD								
2	F2	С	M-F	2.50	0.10	X	X	V			
3		С	M-F	3.70	0.10	х	Х	¥			
4		С	M-F	1.00	0.10	х	Х	<u> </u>	L		
5		c	M-F	2.30	0.10	Х	Х	✓	F::	ED	
6		С	M-F	1.80	0.05	X	X	¥			
7	A9-18	С	M-F NSD	2.00	0.05	х	Х	¥			
8	G6 C9	с	M-F	11.50	0.10	v	v			Ţ.;	
. 9	D3	c	M-F	9.50	0.10	x x	x x	▼.	П		
	22	~	**** **	7.20	0.30	А	Λ.	▼.	Ð		

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

F - Fiber

CR - Crocidolite

B - Bundle

AN - Anthophyllite

M - Matrix

AC - Actinolite

	Str#:	SquareID:	Type:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo: Sketch:	
		G3		NSD							
									,	M40543 008	
*											

C - Chrysotile

**NSD - No Structure Detected** 

TR - Tremolite

F - Fiber

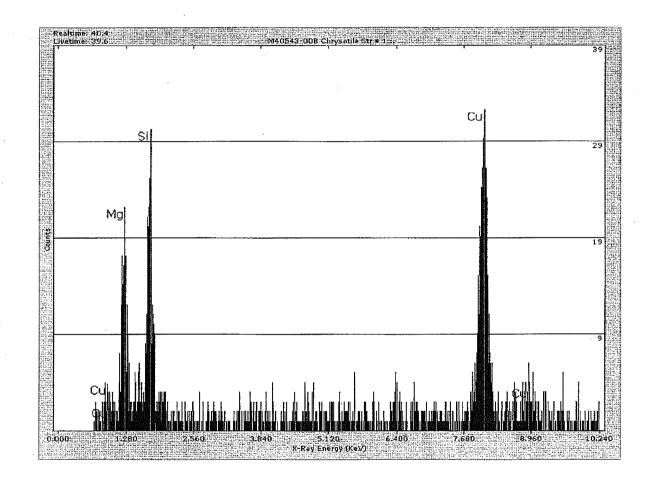
CR - Crocidolite

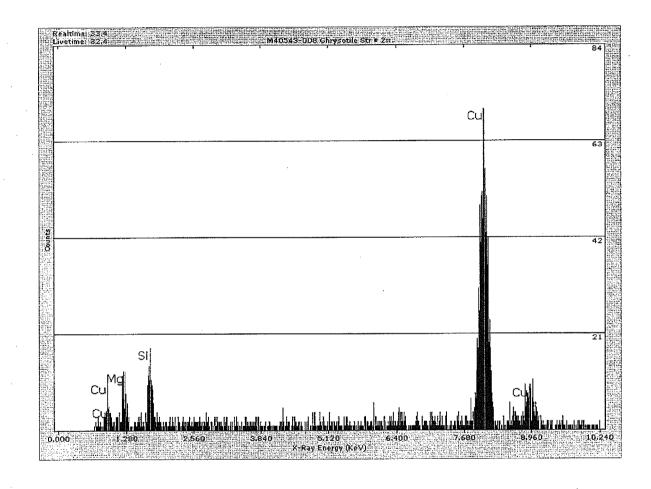
AN - Anthophyllite

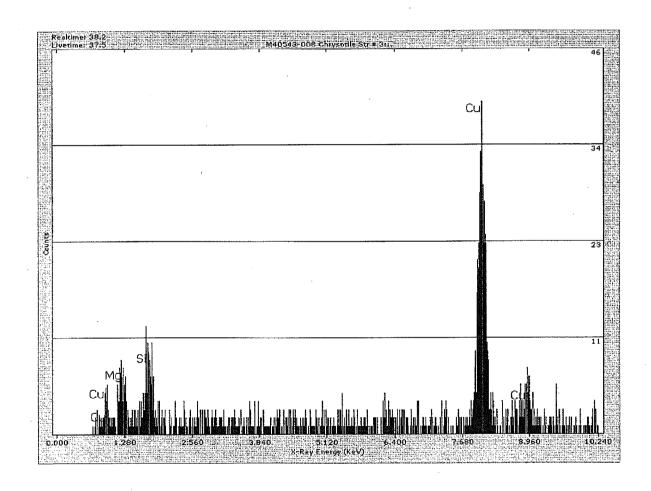
B - Bundle

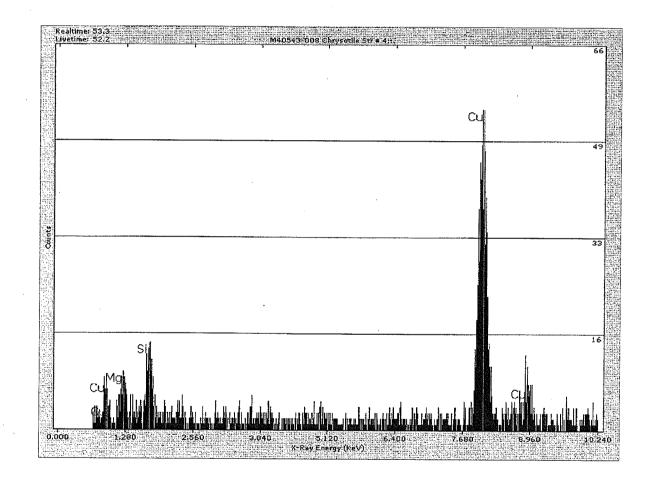
AC - Actinolite

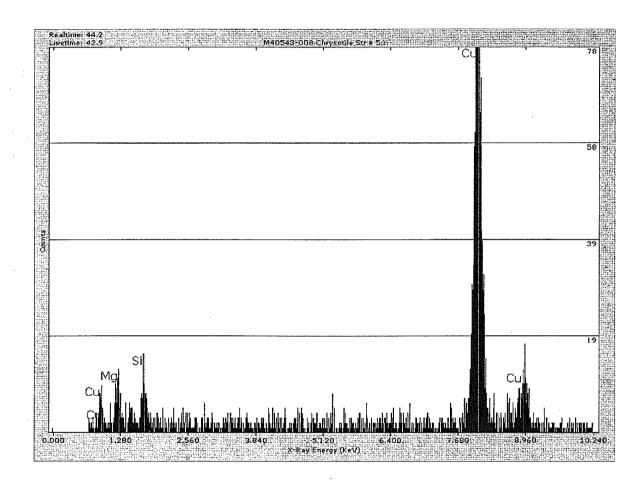
M - Matrix C - Cluster

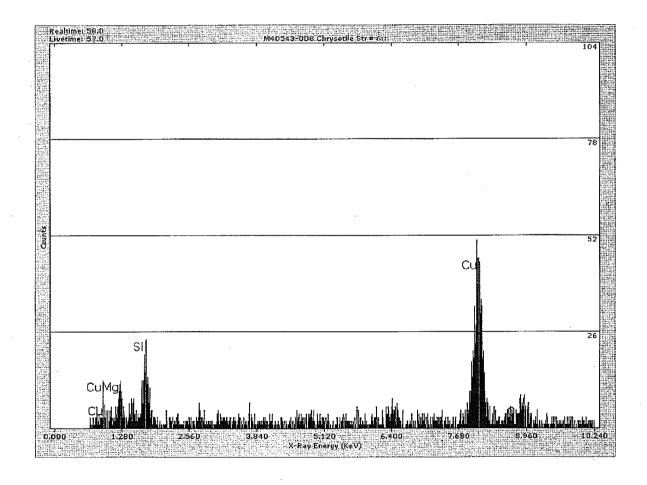


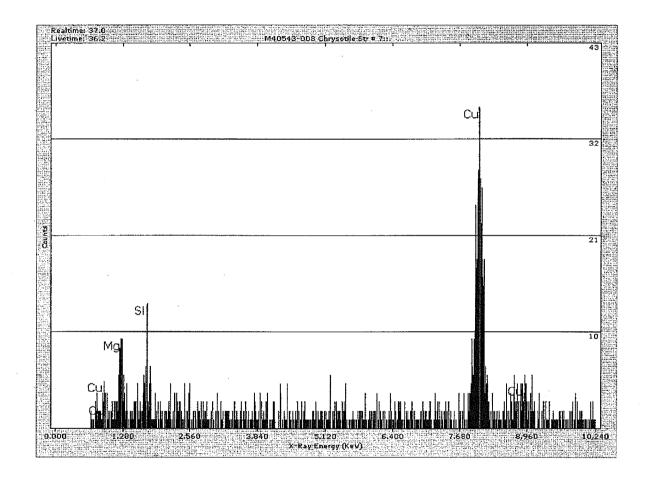


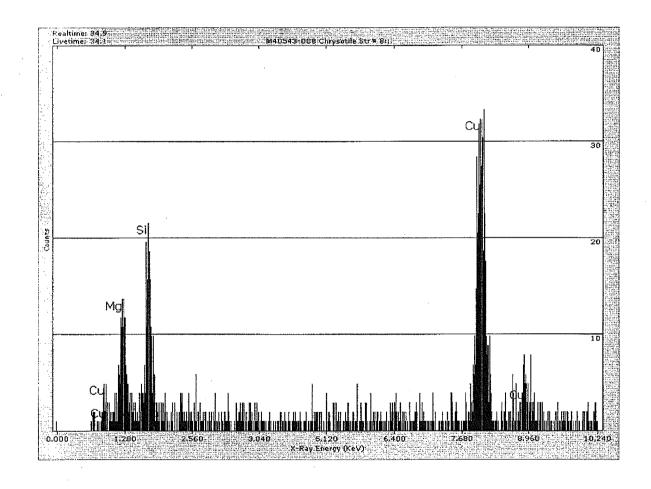


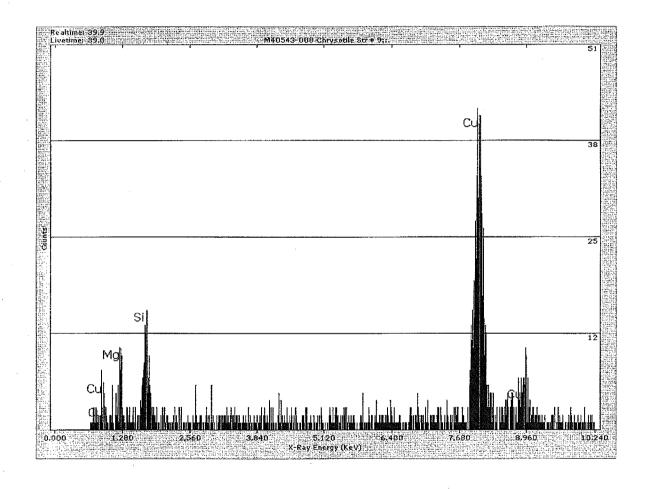












## TEM DUST ANALYSIS M40543 009 Dies and Hile, LLP Client Sample ID: ASH 4 2 **Settled Dust Samples** Sample Area/ Volume: 100 cm2 Date Analyzed: 10/10/2006 Filter Type: MCE 47mm Analyst: MAM 0.45 Pore size: Scope Number: 4 Effective Filter Area: 1297 Accelerating Voltage: 100 ΚV Sample type: Dust Indicated Mag: 25 кx Analysis type: Dust Screen Mag: 20 ΚX **Grid Acceptance** YES 20 % Grid box: 7184, 7169, 7181,7185 Str < 5um: Number of grids: #1: 103 #3: 103 Average Grid Size: 0.010558 Str ≥5um: Number of openings: 10 #2: 103 #4: 102 Total Area Analyzed: Total Str: 1 Str / sqr ft 1.427E+06 Str / cm2 1.536E+03 Volume Filtered 8 ml **Dilution Factor** Str/sqrft >= 512.5 0.000E+00 Str / cm2 >=5 0.000E+00 Str#: SquareID; Type: Structure: Length Width Morph: SAED: EDS: Photo: Sketch: E7-G1 2.50 0.10 X X ✓ Ш E2 NSD В3 NSD J4 NSD F9 NSD D7-B2 NSD **C6** NSD **E**3 NSD Ш H5 NSD .16 NSD M40543 009

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

F - Fiber

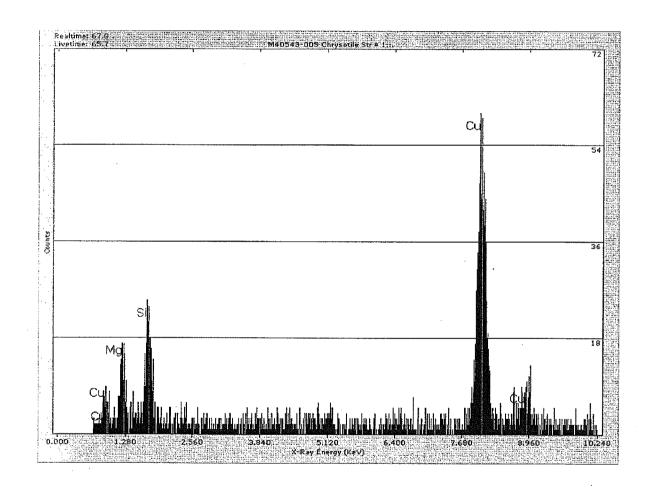
CR - Crocidolite

B - Bundle

AN - Anthophyllite

M - Matrix

AC - Actinolite



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Unit 1 Building
Arkansas State Hospital (ASH)

## TEM DUST ANALYSIS M40543 010

										<u> </u>	
		e, LLP Sample	s				Clier	nt Sample	ID:	ASH 1 1	
Sample Area/ Volume: Filter Type: Pore size: Effective Filter Area: Sample type: Analysis type: Grid Acceptance		100 cm2 MCE 47mm 0.45 1297 Dust Dust Yes 25 %			S Accele	Date Analyzed: Analyst: Scope Number: rating Voltage: Indicated Mag: Screen Mag: Grid_box:		10/13/2006  Kevin Simpson 3 100 KV 25 KX 20 KX 7192			
Str < 5um: 22 Str ≥5um: 3			. (			3: <u>103</u> 4: 105					
Total Str: 25		[ [ ]	Str / so		1.379E+0				n2 1.485E+		
Volume Fil Dilution F:		50 ml 2	Str	sqrft	•	1.655E+0				=5 1.782E+	
Parce Manual Property Control of the											
Str#: S	iquareID: E8-14	Type:	Structure:	Length	Width <b>0.10</b>	Morph:	SAED:	EDS:	Photo:	Sketch:	
	20-14			3.20	0.10	A	^	V			
2		С	F	0.70	0.05	Х	M36334	V	V		
3		С	F .	1.00	0.10	<b>X</b> .	x	V			
4		c	F	3.00	0.10	x	x				
5		C	F	1.20	0.10	x	X	V			
6		С	F	1.00	0.10	x	х	✓			
								¥			
7		С	F	1.50	0.10	Х	Х	<b>✓</b>			
8	<b>G</b> 7	C	F	0.60	0.10	x	x	<b>⊘</b>	D		
9		c	, <b>F</b>	4.30	0.10	x	x				
10		С	F	2.00	0.10	x	x	Ý			
11		C	F	1.00	0.10			V	T		
12		С	F	1.20				L3	[]	1:	
					0.10			L		-	
13		С	F	1.00	0.10			LT			

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

F - Fiber

CR - Crocidolite

B - Bundle

AN - Anthophyllite
AC - Actinolite

M - Matrix C - Cluster

Str#		Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:
14		C	F	0.90	0.10					
15	E9-18	С	F	20.00	0.10					
16		C	F	0.50	0.10					
17		c	F	2.20	0.10					
18		С	F	0.70	0.10					
19		C	F	1.80	0.10					
20		С	F							
				5.00	0.10	х	х	<b>Y</b>		
21	E8	С	F	0.80	0.10					
22		С	F	0.90	0.10					
23		c	F	1.00	0.10					
24	•	c	F	0.90	0.10					
25		С	F	0.60	0.10					
									M4054	3 010

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

F - Fiber

CR - Crocidolite

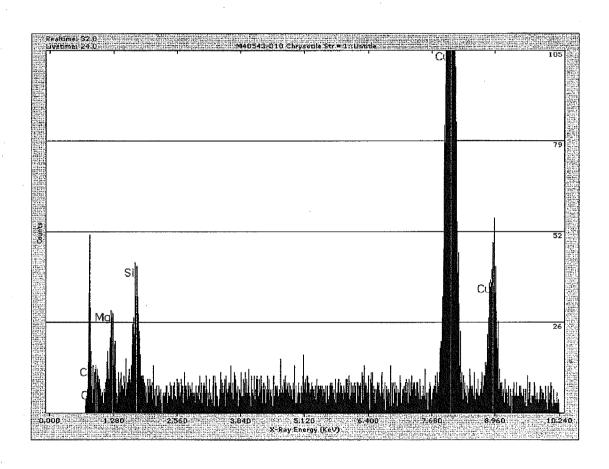
B - Bundle

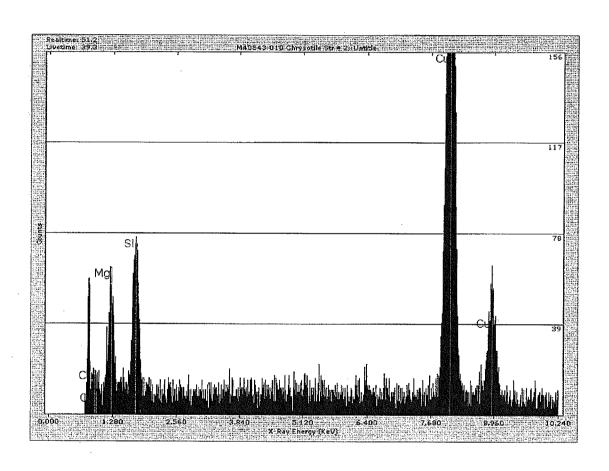
AN - Anthophyllite

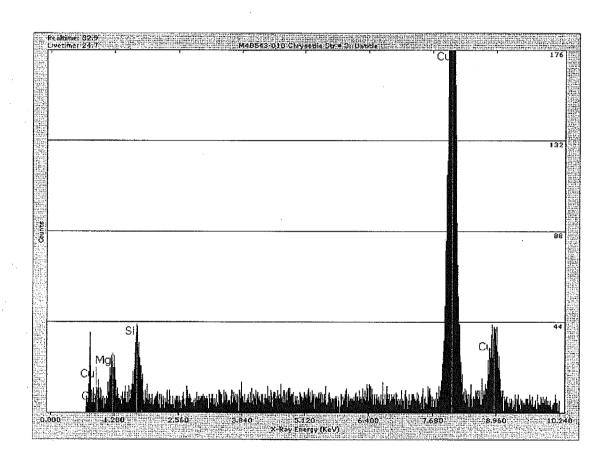
M - Matrix

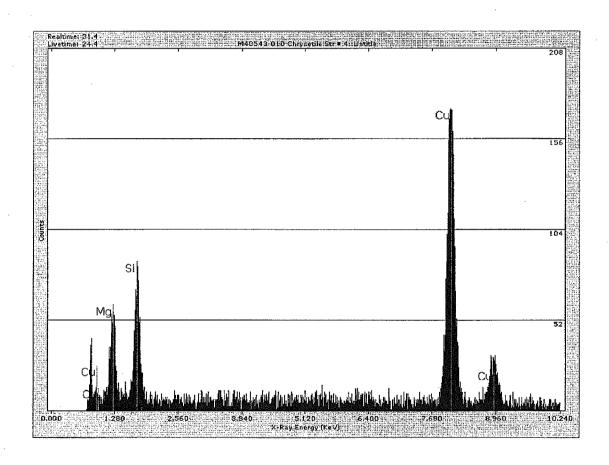
AC - Actinolite

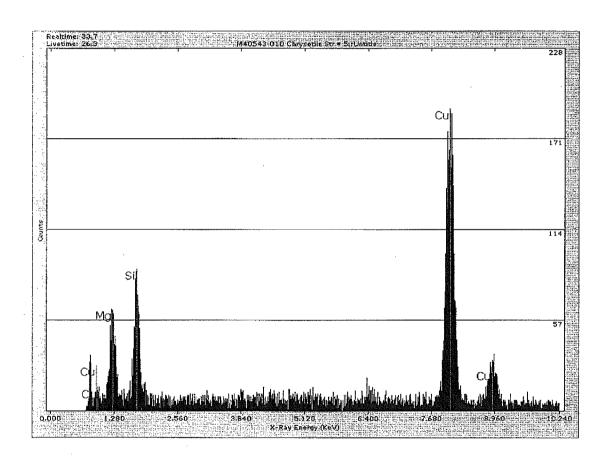
C - Cluster

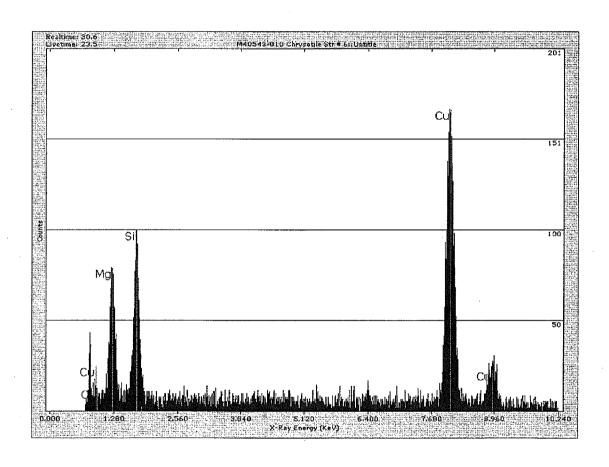


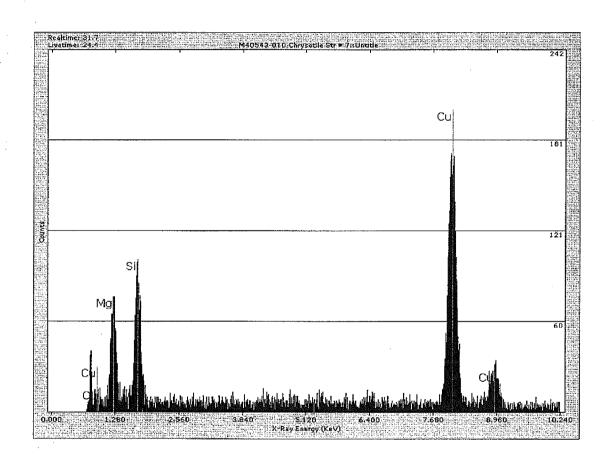


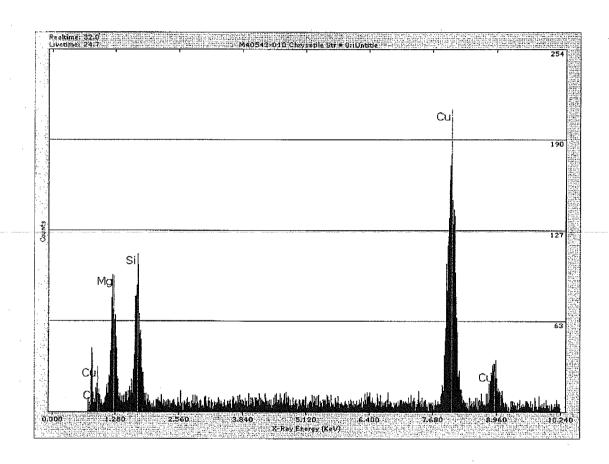


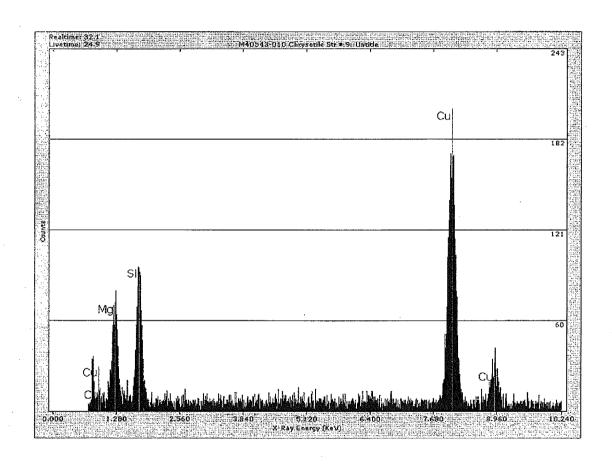


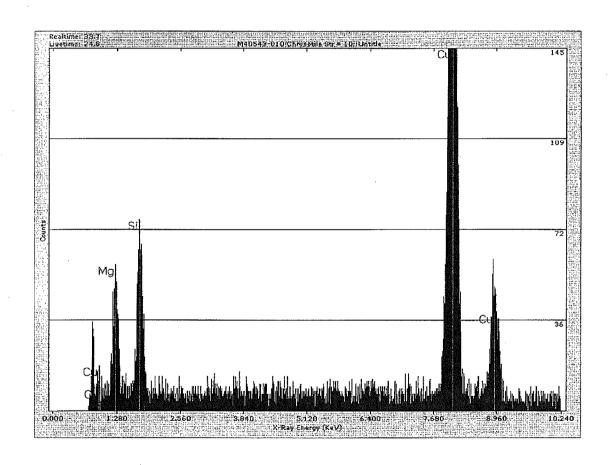


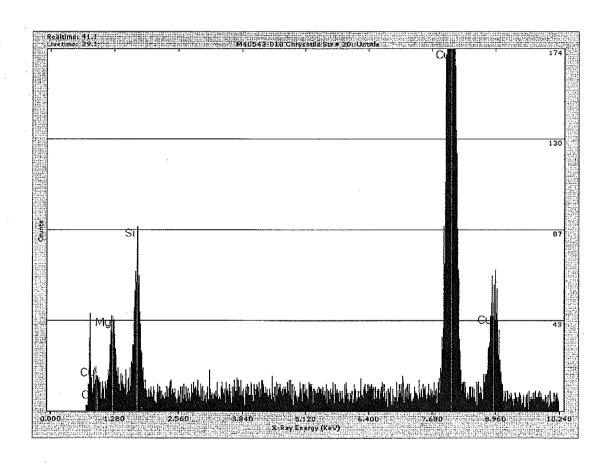












## TEM DUST ANALYSIS M40543 011

	s and Hi	•					Client	: Sample	ID:	ASH	12
Settled Dust Sample:  Sample Area/ Volume:  Filter Type:  Pore size:  Effective Filter Area:  Sample type:  Analysis type:  Grid Acceptance			MCE 47mm 0.45 1297 Dust Dust Yes	2			Sc Accelera	cope Nur ating Vol idicated Screen	alyst: mber: Itage: Mag: Mag:	Kevin	3/2006 Simpson 3 100 KV 25 KX 20 KX 9, 7181,7185
Str < 5um: 7 Str ≥5um: 0 Total Str: 7		Number of openings: 10 #2: 103				Average Grid Size: 0.010919 Total Area Analyzed: 0.109					
	: Filtered n Factor	8 ml 12.5	Str	Str / se / sqr ft		9.656E+0 0.000E+0	'				)39E+04 )00E+00
Str#:	SquareID:	Туре:	Structure:	Length	Width	Morph:	SAED:	EDS:	Photo:	Sketch:	
1	D9-J4	c	F	2.00	0.10	x	х	V		П	
2	Н4	С	M-F	2.00	0.10	x	M36335	<b>Y</b>	<b>~</b>		
3	F4	С	F	0.80	0.10	x	x	<b>~</b>	П		
	D4		NSD								
4	B4	С	F	1.00	0.05	x	x	<b>V</b>		П	
5	D8-C1	С	F	2.00	0.10	x	x	¥		<u> </u>	
	C2		NSD					П	П		
alle state dans land	C3		NSD						П		
6	C4	C	F	0.90	0.05	x	X	<b>~</b>		[]	
7	Н3	С	F	1.00	0.10	x	x	<b>~</b>			
		٠							M4054	13 011	

C - Chrysotile

NSD - No Structure Detected

TR - Tremolite

F - Fiber

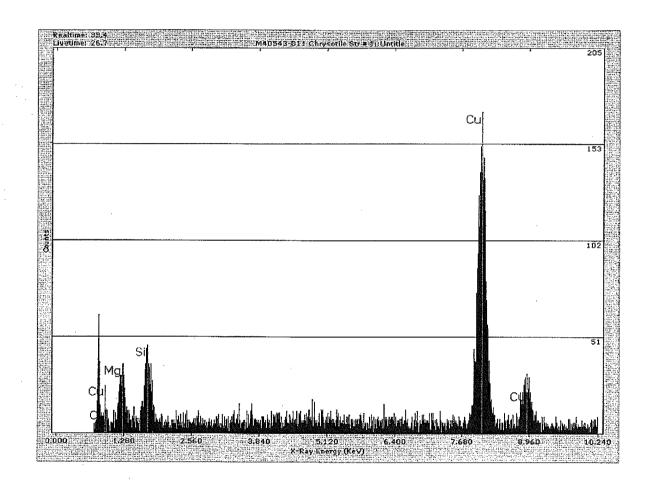
CR - Crocidolite

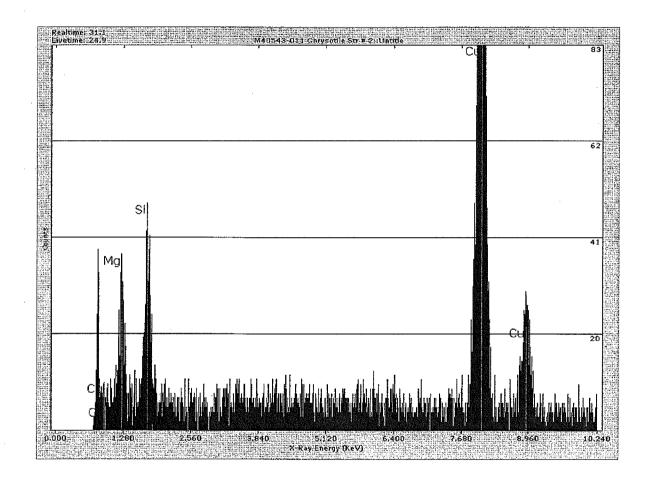
B - Bundle

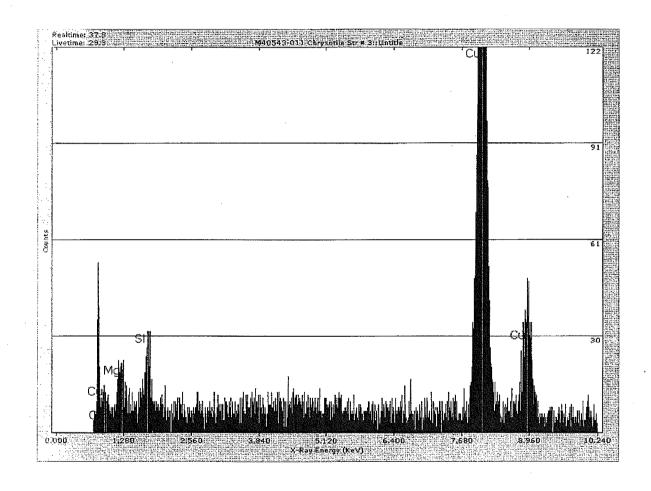
AN - Anthophyllite M - Matrix

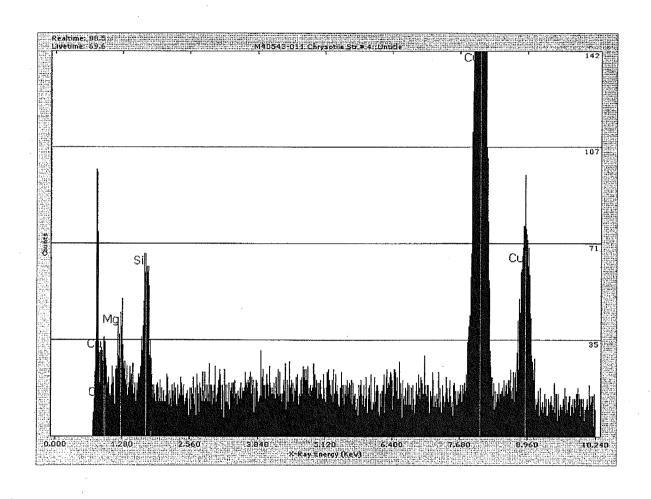
AC - Actinolite

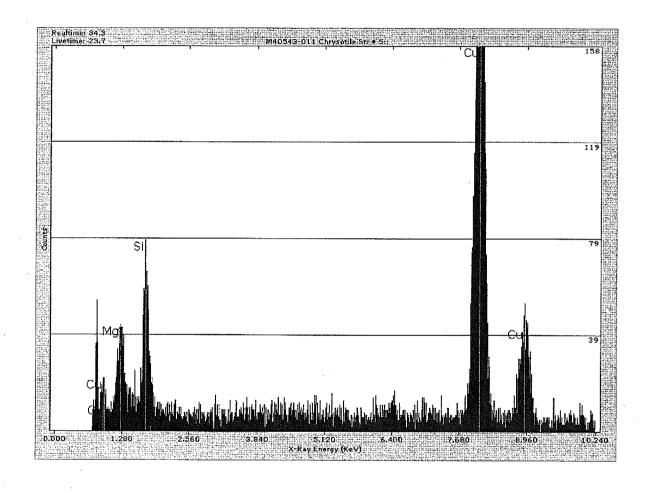
C - Cluster

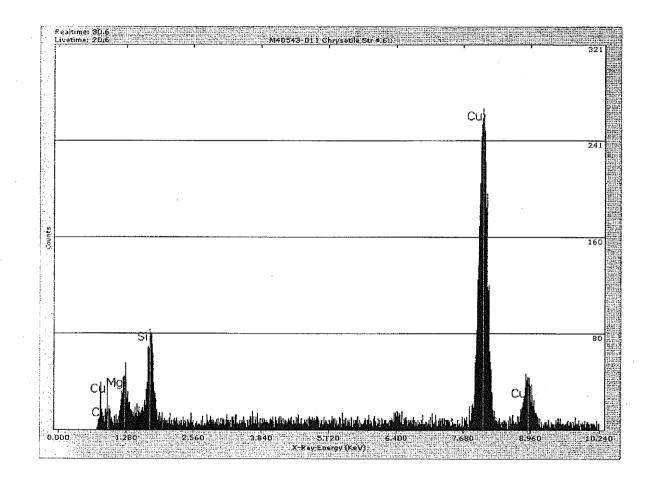


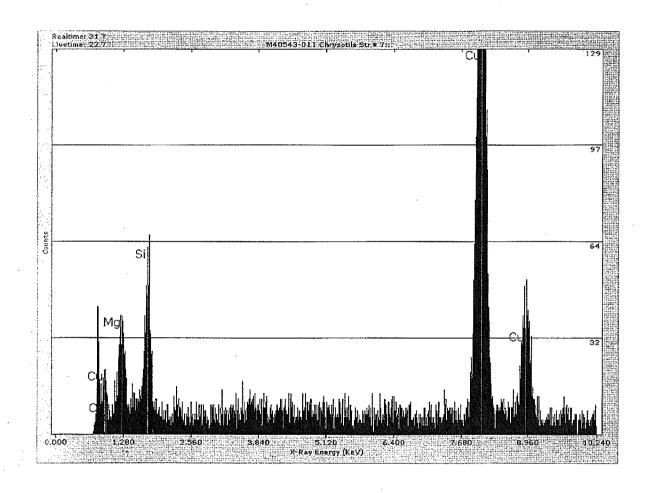












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Unit 2 Building
Arkansas State Hospital (ASH)